



CONSTRUCTION EQUIPMENT

TRIPLE M 370701 VOLVO A30G 752850 - DIESEL ENGINE



Sample No: VCP391692
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 370701



SAMPLE INFORMATION

Sample Number	VCP391692	VCP381008	VCP380995	VCP382122
Sample Date	17 Jul 2023	10 Mar 2023	21 Feb 2023	01 Feb 2023
Machine Hours	0	1634	1212	785
Oil Hours	1000	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1
 Contact: C. Carter
 ccarter@strongco.com
 T:
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.5	12.3	▲ 10.7
Oxidation (PA)	%	88	82	79	63



CONTAMINATION

Soot %	%	0.1	0	0	0
Nitration (PA)	%	68	54	54	81
Sulfation (PA)	%	65	70	69	62
Glycol	%	NEG	NEG	0.0	NEG
Fuel	%	<1.0	<1.0	1.1	0.9
Silicon	ppm	4	3	6	27
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	0	0	3

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	9	5	7	23
Copper	ppm	3	11	77	412
Lead	ppm	0	<1	2	11
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	<1	1	1	3
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	42	43	44	79
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	<1	<1	1
Manganese	ppm	<1	<1	1	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1633	1772	1800	2160
Magnesium	ppm	549	535	440	120
Zinc	ppm	1103	1098	1058	1160
Phosphorus	ppm	998	1026	1008	1078
Barium	ppm	0	0	0	0
Boron	ppm	25	47	52	33

Depot: VOLVO0252
Unique No: 5616451
Signed: Wes Davis
Report Date: 21 Jul 2023



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GRAPHS

